

We claim:

1. A process for a continuous production of a glass-fibre reinforced resin-plate coated with a mixture of resin and sand, comprising the following steps:
 - 5 a) bonding of resin and glass fibres by heating to a plate-like base material,
 - b) cooling-down of the base material until the base material is partly gelatinized, but the surface of the base material which is to be coated, is not yet completely hardened,
 - c) applying of the mixture of resin and sand on the not-yet hardened surface which is to be coated, and
 - d) heating of the base material, coated in such a manner, in an oven.
- 10 2. The process according to Claim 1,
characterized in
that the same resin type is used in steps a) and c).
- 15 3. The process according to Claim 1,
characterized in
that vapours which emerge during the steps are drawn-off.
- 20 4. The process according to Claim 1,
characterized in
that radical donors are supplied in step d) which cause a cross-linking of the base material with the mixture of resin and sand.
- 25 5. The process according to Claim 1,
characterized in
that in step b) the base material is cooled-down to a temperature in a range between 50 °C and 90 °C.

6. The process according to Claim 1,
characterized in
that a cooling-fluid is supplied in step b).
- 5 7. The process according to Claim 1,
characterized in
that the coated base material is heated to a temperature in the range of 105 °C to
145 °C in step d).
- 10 8. The process according to Claim 1,
characterized in
that the base material on the surface that is to be coated is covered with a film in
step b) and that this film is pulled-off from the base material before step c).
- 15 9. A process to manufacture a glass-fibre reinforced resin-plate coated with resin and
sand, comprising the following steps:
 - a) bonding of resin and glass fibres by heating to a plate-like base material,
 - b) cooling-down of the base material until the base material partly
gelatinizes, but the surface of the base material, which is to be coated, has not
yet completely hardened,
 - c) applying of the resin onto the partly gelatinised surface which is to be
coated,
 - d) applying of sand on the not-yet hardened surface which is to be coated,
 - e) rolling-in of the sand in the resin layer applied in step c), and
 - f) heating of the base material coated in such a manner in an oven.
- 20 10. The process according to Claim 9,
characterized in
that the steps are carried out in the sequence a), b), d), c), e), f).

11. The process according to Claim 9,
characterized in
that the same resin type is used in steps a) and c).
- 5 12. The process according to Claim 9,
characterized in
that vapours which emerge during the processing steps are drawn-off.
- 10 13. The process according to Claim 9,
characterized in
that radical donors are supplied in step d), which cause a cross-linking of the base
material with the mixture consisting of resin and sand.
- 15 14. The process according to Claim 9,
characterized in
that the base material is cooled down to a temperature in a range between 50 °C and
90 °C in step b).
- 20 15. The process according to Claim 9,
characterized in
that in step b) a cooling-fluid is supplied.
- 25 16. The process according to Claim 9,
characterized in
that the coated base material is heated to a temperature in the range of 105 °C to
145 °C in step f).
- 30 17. The process according to Claim 9,
characterized in
that in step b) the base material is covered by a film on the surface that is to be

coated and this film is pulled-off from the base material before steps c) and d).

18. A Glass-fibre reinforced resin-plate with an anti-slip coating of resin and sand, produced by a process according to Claim 1, whereby the content of residual styrene
5 is less than 2 %, preferably less than 1.5 %.
19. A Glass-fibre reinforced resin-plate with an anti-slip coating of resin and sand, produced by a process according to Claim 9, whereby the content of residual styrene
10 is less than 2 %, preferably less than 1.5 %.